

1/7



Figure 1. TEM of BAC/pDNA complex.

2/7

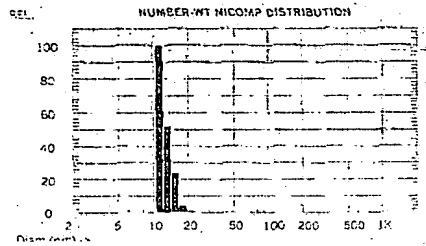


Figure 2a

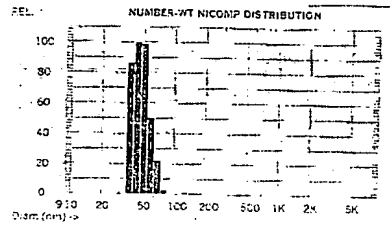


Figure 2b - pDNA + 50ug/ml BAC.  
Time until measurement after  
mixing 0 min.  
(complex is negatively charged)

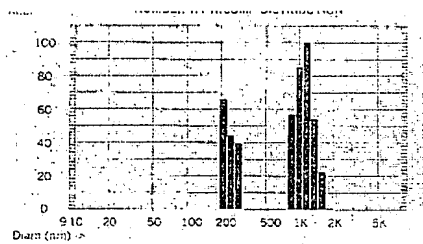


Figure 2c - pDNA + 200ug/ml  
BAC. Time until measurement  
after mixing 0 min.  
(complex is neutrally charged)

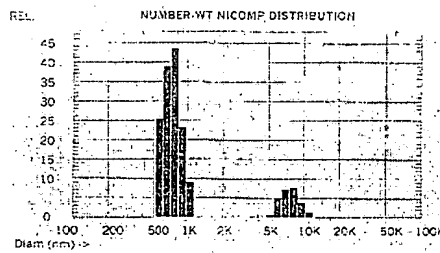
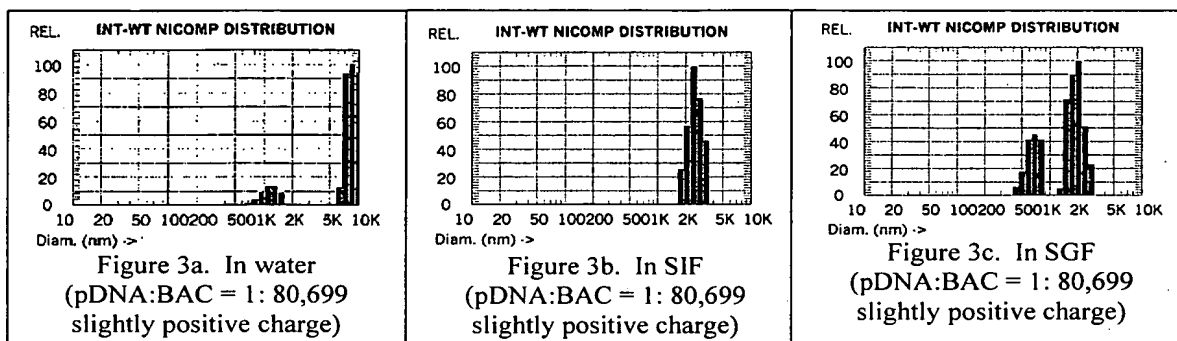


Figure 2d - pDNA + 200ug/ml  
BAC. Time until measurement  
after mixing 2 hours.  
(complex is neutrally charged)

Figure 2. Measurement of BAC / plasmid DNA particle formation

3/7



**Figure 3. BAC condensed plasmid DNA particle size in simulated gastric or intestinal fluid**

4/7

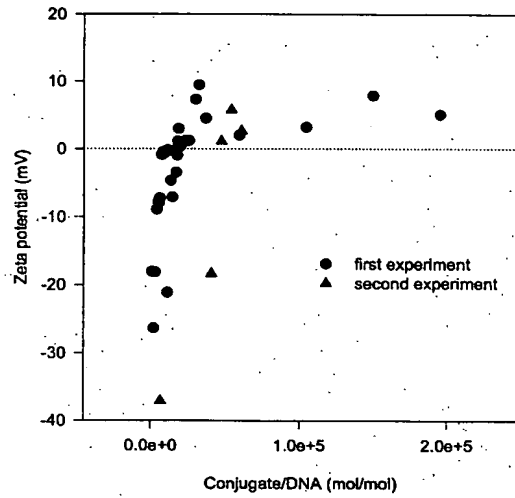
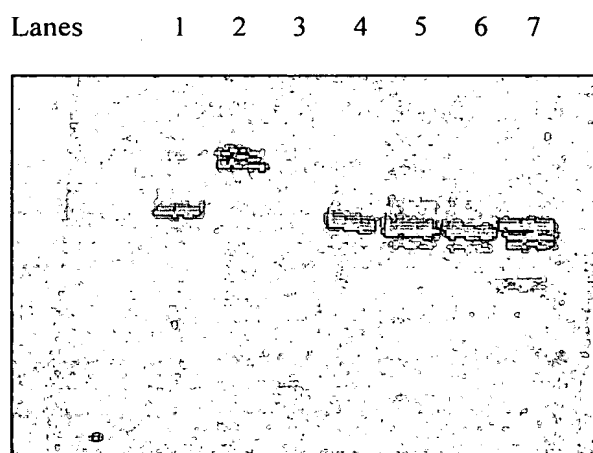


Figure 4

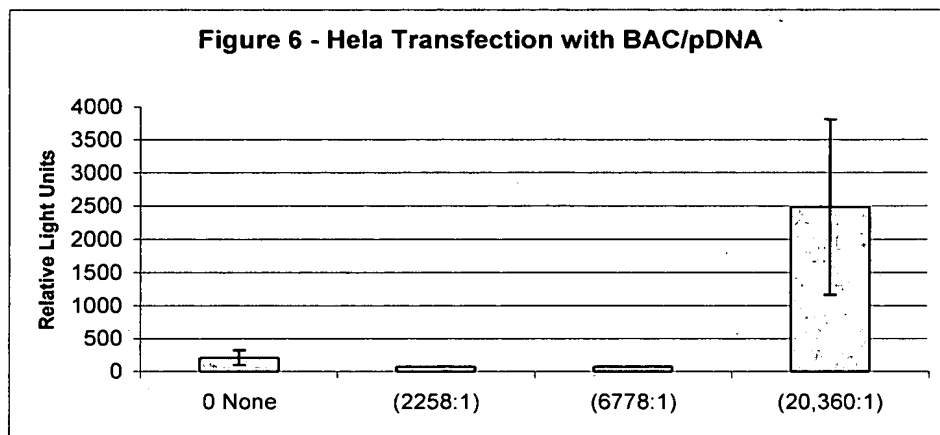
5/7

**Figure 5**



- Lanes
- 1) DNA + BAC + PAA + DNaseI
  - 2) DNA + BAC + DNaseI
  - 3) DNA + DNaseI
  - 4) DNA + BAC + PAA
  - 5) DNA + BAC
  - 6) DNA
  - 7) DNA size standard

6/7



**Figure 6. *In vitro* transfection of Hela cells with BAC/luciferase pDNA.**

7/7

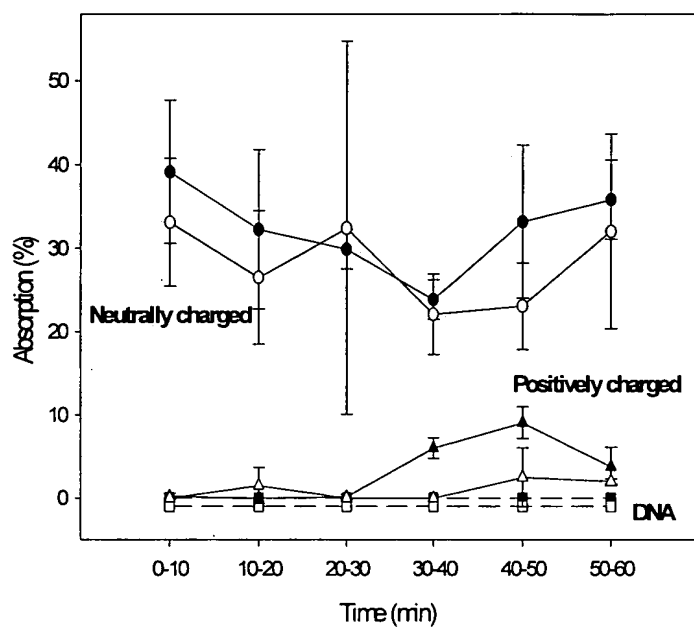


Figure 7